

38550

Customer Number

10/527332  
DT15 Rec'd PCT/PTO 10 MAR 2005

Patent

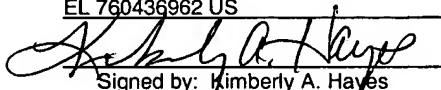
Case No.: CGL00/0407US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: CARLSON, Ting Liu      Application No.: Unknown  
Int'l Appl'n No.: PCT/US2003/028474      Group Art Unit: Unknown  
Int'l Filing Date: September 11, 2003      Examiner: Unknown  
Title: USE OF LOW-GLYCEMIC SWEETENERS IN FOOD AND BEVERAGE COMPOSITIONS

Information Disclosure Statement

Mail Stop: PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

<b>Filing of Papers and Fees by Express Mailing</b>	
Pursuant to 37 CFR § 1.10, this application and the documents and fees listed on this transmittal letter are being deposited on the date indicated below with the United States Postal Service "Express Mail Post Office to Addressee" service addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
Express Mail Label No.:	EL 760436962 US
March 10, 2005 Date	 Signed by: Kimberly A. Hayes

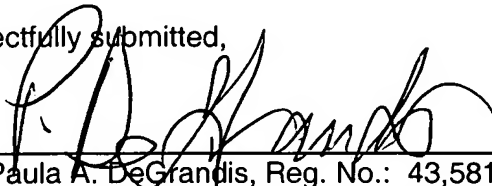
Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

Applicants filed this Information Disclosure Statement ("IDS") within three months of the filing date of a national application. As a result, no fee should be required to file this IDS. However, in the event a fee is required, please charge the fee to Deposit Account No. 50-2342.

Respectfully submitted,

By:

  
Paula A. DeGrandis, Reg. No.: 43,581  
Telephone No.: (952) 742-5402

March 10, 2005  
Date

CARGILL, INCORPORATED  
Law Department  
P.O. Box 5624  
Minneapolis, MN 55440-5624  
Facsimile No.: (952) 742-6349

<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 3	<b>Application Number</b>	TBA <b>10/527332</b>
	<b>Int'l Filing Date</b>	September 11, 2003
	<b>First Named Inventor</b>	CARLSON, Ting Liu
	<b>Art Unit</b>	
	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	CGL00/0407US01

U.S. Patent Documents						
Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	(This field is not required Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known) (Add Kind Code after patent No. when available)				
	A1	US-	4,629,725	12/16/1986	Hiji	
	A2	US-	4,673,643	06/16/1987	Schwengers	
	A3	US-	5,116,820	05/26/1992	Hiji	
	A4	US-	5,292,723	03/08/1994	Audry et al.	
	A5	US-	5,578,339	11/26/1996	Kunz et al.	
	A6	US-	5,789,209	08/04/1998	Leather et al.	
	A7	US-	6,004,800	12/21/1999	Aebischer et al.	
	A8	US-	6,140,304	10/31/2000	Sears	
	A9	US-	6,235,511	05/22/2001	Aebischer et al.	
	A10	US-	6,242,226	06/05/2001	Aebischer et al.	
	A11	US-	6,339,076	01/15/2002	Kaufman	
	A12	US-	6,365,176	04/02/2002	Bell et al.	
	A13	US-	6,423,833	07/23/2002	Catani et al.	
	A14	US-	2002/0170092A1	11/14/2002	Turk	
	A15	US-	6,486,314	11/26/2002	Van Geel-Schutten et al.	
	A16	US-	2003/0044942A1	03/06/2003	Catani et al.	

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	(This field is not required)Name of Patentee or Applicant of Cited Document	(This field is not required Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1	GB	830 951	03/23/1960	COMMONWEALTH		
	B2	EP	0 153 013	01/21/1985	FISONS		
	B3	WO	89/07148	08/10/1989	BIOEUROPE		
	B4	WO	00/70964	11/30/2000	SOCIETE DES PRODUITS NESTLE		
	B5	WO	02/064810	08/22/2002	KIM		

<b>*Examiner:</b>	<b>Date Considered:</b>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 2 of 3	<b>Application Number</b>	TBA 10/527332
	<b>Intl' Filing Date</b>	September 11, 2003
	<b>First Named Inventor</b>	CARLSON, Ting Liu
	<b>Art Unit</b>	
	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	CGL00/0407US01

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	ARGUELLO-MORALES et al., (Jan 2000) Sequence analysis of the gene encoding alternansucrase, a sucrose glucosyltransferase from <i>Leuconostoc mesenteroides</i> NRRL B-1355, <i>FEMS Microbiology Letters</i> 182 (1), 81-85.
	C2	ARGUELLO-MORALES et al., (2001) Novel oligosaccharides synthesized from sucrose donor and cellobiose acceptor by alternansucrase, <i>Carbohydrate Research</i> , 331:4, 403-411.
	C3	Biley et al, (Dec 1994). Purification and properties of alternanase, a novel endo-alpha-1, 3-alpha-6-D-glucanase. <i>European Journal of Biochemistry</i> , 226:2, 633-639.
	C4	Binder T P et al. (1983). Disproportionation reactions catalyzed by <i>Leuconostoc</i> and <i>Streptococcus</i> glucansucrases. <i>Carbohydrate research</i> , 124:2, 275-86.
	C5	CAMPBELL et al., (2003) Controlling subjects' prior diet and activities does not reduce within-subject variation of postprandial glycemic responses to foods, <i>Nutrition Research</i> , 23, 621-629.
	C6	COTE et al., (1982) Acceptor reactions of alternansucrase from <i>leuconostoc mesenteroides</i> NRRL B-1355, <i>Carbohydrate Research (Netherlands)</i> , 111:1, 127-142.
	C7	COTE et al., (Feb. 1982) Isolation and partial characterization of an extracellular glucansucrase from <i>Leuconostoc mesenteroides</i> NRRL B-1355 that synthesizes an alternating (1 goes to 6), (1 goes to 3) - alpha-D-glucan, <i>Carbohydrate Research (Netherlands)</i> , 101:1, 54-74.
	C8	Cote et al., (1994). Enzymically produced cyclic alpha-1, 3-linked and alpha-1, 6-linked oligosaccharides of D-glucose - e.g. D-glucosyl tetrasaccharide, using <i>Bacillus</i> sp. Alternanase. <i>Eur. J. Biochem.</i> , 226:2, 641-648.
	C9	Cote et al. (1999). Some structural features of an insoluble alpha-D-glucan from a mutant strain of <i>Leuconostoc mesenteroides</i> NRRL B-1355. <i>Journal of Industrial Microbiology &amp; Biotechnology</i> . 23:1, 656-660.
	C10	Cote, G. L. (1983). The formation of Alpha (1 -> 3) D glucosidic linkages by exocellular alpha-d-glucansucrases from <i>leuconostoc mesenteroides</i> and <i>streptococcus</i> . Iowa State University (0097), 44/12-B of dissertation abstracts international, 3747 (202 pp.).
	C11	GRIMBLE et al., (1997) Differences in the glycaemic response to dextran and maltodextrin ingestion in man, <i>Proceedings of the Nutrition Society</i> , 56:2, 225A.
	C12	JEANES et al., (1954) Characterization and classification of dextrans from ninety-six strains of bacteria, Starch and Dextrose Section, Northern Utilization Research Branch.
	C13	Joucla G. et al., (Mar 2004). Capillary electrophoresis analysis of gluco-oligosaccharide regioisomers. <i>Electrophoresis</i> , 25:6, 861-869.
	C14	Leathers T D et al. (1997). Alternansucrase mutants of <i>Leuconostoc mesenteroides</i> strain NRRL B-21138. <i>Journal of Industrial Microbiology and Biotechnology</i> , 18:4, 278-283.
	C15	LOPEZ-MUNGUIA et al., (1990) Production and purification of <i>leuconostoc-mesenteroides</i> NRRL B-1355 Alternansucrase. <i>Annals of the New York Academy of Sciences</i> . Pp. 717-722:

<b>*Examiner:</b>	<b>Date Considered:</b>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 3 of 3	<b>Application Number</b>	TBA <b>10/527332</b>
	<b>Intl' Filing Date</b>	September 11, 2003
	<b>First Named Inventor</b>	CARLSON, Ting Liu
	<b>Art Unit</b>	
	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	CGL00/0407US01

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C16	LOPEZ-MUNGUIA et al., (1993) Production and purification of alternansucrase, a glucosyltransferase from <i>Leuconostoc mesenteroides</i> NRRL B-1355, for the synthesis of oligoalternans, <i>Enzyme and Microbial Technology</i> 15:1, 77-85.
	C17	RAEMAEKERS et al., (1997) Production of alternansucrase by <i>Leuconostoc mesenteroides</i> NRRL B-1355 in batch fermentation with controlled pH and dissolved oxygen, <i>J. Chem. Tech. Biotechnol</i> , 69, 470-489.
	C18	REMAUD-SIMEON et al, (2000) Glucansucrases: molecular engineering and oligosaccharide synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> 10, 117-128.
	C19	REMAUD-SIMEON et al, (2003) Glucansucrases: Structural basis, Mechanistic aspects, and new perspectives for engineering. <i>Oligosaccharides in Food and Agriculture</i> , American Chemical Society, 90-103.
	C20	ROBESON et al., (Jan. 1983) Expression of a <i>streptococcus mutans</i> glucosyltransferase gene in <i>escherichia coli</i> , <i>Journal of Bacteriology</i> , 153, 211-221
	C21	ZAHNLEY et al., (2000) Cellular association of <i>glucosyltransferases</i> in <i>leuconostoc mesenteroides</i> and effects of detergent on cell association, <i>Applied Biochemistry and Biotechnology</i> , 87, 57-70.

<b>*Examiner:</b>	<b>Date Considered:</b>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	